

Work Order ID 92991

November 13, 2012 10:03:31 AM

92991

Page 1

Item ID: D4730

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Velcro Hook & Loop

Start Date: 11/13/12 Start Qty: 50.00

50

Cust Item ID:

Required Date: 11/15/12 Req'd Qty: 50.00

50

Customer:

Reference:

Approvals: Process Plan: *CL*

Date: *12/11/13*

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Work Center ID	Operation Description	Set Up Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
----------------	-----------------------	------------------	---------	--------	-----------	------------	------------	---------------	-------------

Draw Nbr	Revision Nbr
D4730	A

100 0.00

100

PURCHASING

Purchasing

Memo

Purchasing

Issue P/O: *18395*
Purchase part #: 9273K43
Supplier: MC MASTER CARR
Material release note is required

CL 12/11/13 soft

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

Packaging

Ensure material release note is attached

CL 12/11/13 (50)

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

Quality Control

0.00

DAS 15 12/11/19
DAS 15 12/11/19

50

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											

FAULT CATEGORY			
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

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Page 2

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Cust Item ID:

Required Date: 11/15/12 Req'd Qty: 50.00

50

Customer:

Reference:

Run Start

NR1

Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop

NR2

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Identify as per dwg & Stock Location: 8

0.00

130

Packaging

Memo

11/8

0.00

Packaging

50x

SP
12-11-19.

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

12/11/20
MF
12-11-20

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
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Picklist Print

November 13, 2012 10:03:31 AM

Page 1

Work Order ID: 92991

Parent Item: D4730

Parent Item Name: Velcro Hook & Loop

Start Date: 11/13/12

Required Date: 11/15/12

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP REV:A 12.11.09 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
9273K43 Velcro Hook & Loop		Purchased	No				f	0.0000		50		11/24/12	(50)

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
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Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

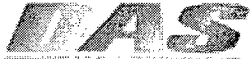
FAULT CATEGORY				
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Chantal Lavoie

From: David Duval <dduval@dartaero.com>
Sent: November 13, 2012 8:17 AM
To: Chantal Lavoie
Subject: velcro

D4730 velcro a Roberto il le veut noir

David Duval
Production Engineering Coordinator

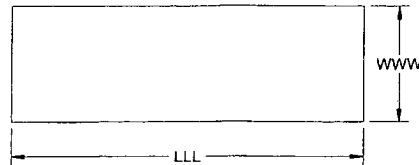


DART AEROSPACE
1270 Aberdeen Street
Hawkesbury Ontario
Canada K6A 1K7
Tel: (613) 632-5200
dduval@dartaero.com



Please consider your environmental responsibility before printing this e-mail

SPECIFICATION CONTROL DRAWING



WHERE WWW = WIDTH IN INCHES (IN TENTHS OF INCH)
LLL = LENGTH REQUIRED (IN TENTHS OF INCH)

EG. 2.0 WIDTH x 3.5" LONG VELCRO STRIP: D4730-001-035
0.75 WIDTH x 15.2" LONG VELCRO STRIP: D4730-008-152

DART PART NUMBER	DESCRIPTION	MATERIAL	POSSIBLE VENDOR	MAKE FROM VENDOR PART NUMBER	LENGTH (ft)
D4730-WWW-LLL	GENERAL PURPOSE HOOK + LOOP	NYLON (ADHESIVE BACK)	McMASTER-CARR	9273K16 9273K23 9273K29 9273K36 9273K43 9273K48	5 10 15 30 50 75

D4730-WWW-LLL VELCRO STRIP

RELEASED
2012-11-05
JMP

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.7
- 7) WEIGHT: N/A

Q1211113
W/O: 92991

A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	12.07.25		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. A
D4730
SHEET 1 OF 1
TITLE SCALE
VELCRO STRIP NTS

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NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18395

Purchase Order Date 11/13/12

PO Print Date 11/13/12

Page Number 1 of 2

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Requisition Nbr	
Vendor Fax	330 995 9600	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 10
		Currency	USD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	90985A104	Quick Release Pin	11/15/12 Yes	30.00 Each	FedEx PI collect	\$20.8800	\$626.40
		Special Inst:	AS PER DWG 601.3202 B92918				
2	94748A111	Pin, Quick Release	11/15/12 Yes	20.00 Each	FedEx PI collect	\$24.4200	\$488.40
		Special Inst:	AS PER DWG 601.3493 B92917				
3	9273K43	Velcro Hook & Loop	11/15/12 Yes	50.00 Each	FedEx PI collect	\$1.9832	\$99.16
		Special Inst:	AS PER DWG D4730 REV. A B92991 NOTE: COLOR BLACK				

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required **YES** NO

Change Nbr: 1

Change Date: 11/13/12



Purchase Order
PO18395

Page 1 of 2

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Maxime, L

Order Placed By
Chantal Lavoie

11/13/2012

McMaster-Carr Number
3928211-02

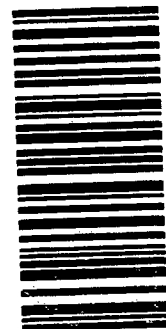
Line	Description	Ordered	Shipped
1	90985A104 High Profile Push-Button Quick-Release Pin, 3/16" Diameter, 1-1/2" Usable Length	30 Each	20
	Unit Price: \$20.88		
	Extended Price: \$417.60		
2	94748A111 High Profile Push-Button Quick Release Pin, with Lanyard, 3/16" Diameter, 1" Usable Length	20 Each	15
	Unit Price: \$24.42		
	Extended Price: \$366.30		
3	9273K43 General Purpose Nylon Hook and Loop, 2" Width X 50" Length, Adhesive Back, Black, Lengths of 50	1 Length	1
	Unit Price: \$99.16		
	Extended Price: \$99.16		
4	2617T24 Extreme-Temperature Silicone Rubber, 1" Thick, 12" X 12", 50A Durometer	2 Each	2
	Unit Price: \$98.22		
	Extended Price: \$196.44		

A13				
3 - 329 - 05	21 - 95	A104	20 EA	1
3 - 329 - 09	46 - 79	A111	15 EA	2
1 - 459				3
1 - 246				4

Shipped separately from our Chicago warehouse on 11/13

Dart Aerospace Ltd

EXP
INV



17 l
4 lin

Sm
12x12x12

FW1BSP/
11/13/201
09:45/10:
048
Cycle 25

1140559283409

